

Magnets

Compare and contrast geographic north and magnetic north. A labeled diagram must be included.

1

Draw a picture of an atom. Include labels for all of its parts.

Explain, in words or pictures, how a magnetic domain is created.

2

Identify 3 things found in nature or your house that use or show functions of a magnet or magnetism and explain how.

Include diagrams of each item you identify.

3

Create a powerpoint presentation that diagrams and explains the following:

How magnets attract and repel

How a compass works

How a magnetic domain is created

How Earth's magnetic poles differ from Earth's geographic poles

Design and compose a book for children teaching them about magnets.

- The ways magnets attract and repel
- Examples of magnetic materials and why they are magnetic
- Explain how a compass works

Create a magnet dictionary using the vocabulary words from our magnet unit. Consult the rubric for the list of words and additional directions.

6

Read the article "How a compass works". Create a flow map that explains the process described in the article.

7

Read the article "In-depth: Whale Navigation". Create a tree map that identifies all the whale navigation techniques discussed in the article. Explain each technique in the tree map.

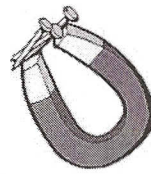
8

Read the article "Aurora Mythology" and create a tree map which explains the different myths related to auroras. Then, read the article "Aurora Borealis" and create a flow map which sequences the events involved in the creation of an aurora.

9

Select one activity from each horizontal row.

I will complete # _____, # _____, and # _____



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